

ABSTRACT

Micro-displays used for front or rear projection systems as well as near-eye viewing systems may be enhanced using embodiments of the present invention. In one embodiment, the invention may include an array of micromechanical optical modulators, an electronic control system for operating the optical modulators in accordance with a received video signal, and an overlayer for the array of modulators to modify the fill factor for incident light on the array of modulators, the incident light corresponding to at least one color constituent of a video signal.